

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS						
			Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other				
Part No. _____ NCR No. _____											
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions						<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <hr/> <hr/> <hr/> <hr/>	<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <hr/> <hr/> <hr/> <hr/>

Work Order ID 95809

January-18-13 11:22:46 AM

95809

Page 2

Item ID: D4057-1

Accept

N900040100

Setup Start

NS1

Revision ID:

Item Name: Retaining Ring

Stop

NS2

Start Date: 1/11/13 Start Qty: 6.00

6

Cust Item ID:

Required Date: 1/16/13 Req'd Qty: 6.00

6

Customer:

Reference:

Approvals:	Process Plan:	Date:	Tooling:	Date:	Run	Start	*NR1*
	QC:	Date:	SPC (Y/N):	Date:		Stop	*NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120 *120* QC	QC6- Inspect dimensions to drawing	0.00	13	128		24			

Quality Control	Memo	0.00	13 128	24
-----------------	------	------	--------	----

130 *130* Packaging	Identify as per dwg & Stock Location: 00A 003	0.00	13 128	24
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Packaging	Memo	0.00	13 128	24
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140 *140* QC	QC21- Final Inspection - Work Order Release Memo	0.00	13 128	24
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Quality Control	0.00	13 128	24
-----------------	------	--------	----

13 128
24

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: Date: 10-12-13

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/> Prod. Eng. Coor. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/>				
Part No. _____											
NCR No. _____											
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear				General							
Bending	General			Bend	General			Grain	Ovalized	Pressure/Forced	
Centre Not Concentric to O/S				BOM/Route				Hardware	Over/Under tolerance	Temperature/Cure	
Cracks				Broken/Damaged				Inspection Incomplete	Part Incorrect	Weld	
Crushed/Crimped.				Burrs				Instructions Incomplete/Unclear	Part Lost/Missing	Wrong Stock Pulled	
Cuffs				Contamination				Maintenance	Part Moved		
Heat Treat				Countersink				Mislabeled	Positioned Wrong		
Inspection Strip in Tube				Cut Too Short				Misread	Power Loss/Surge		
Ripples in Bend				Drill Holes				Offset			
Torque Waves in Extrusion				Drawing				Out of Calibration			
Turning Sequence				Finish				Out of Sequence			
Wave/Twist in Tube				Folio				Outside Dimensions			

Picklist Print

Page 1

January-18-13 11:22:45 AM

Work Order ID: 95809**Parent Item:** D4057-1**Parent Item Name:** Retaining Ring**Start Date:** 1/11/13**Required Date:** 1/16/13**Start Qty:** 6.00**Required Qty:** 6.00**Comments:** IPP rev A 10.02.02 new issue Prelim EC verified by:DD
IPP Rev:B 10.05.17 as per ECN10-562 DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
R3100-75 Retaining Ring		Purchased	No			110	Each	0.0000	1	6/24			

24x Sp(3-01-28)

NCR: Yes / No

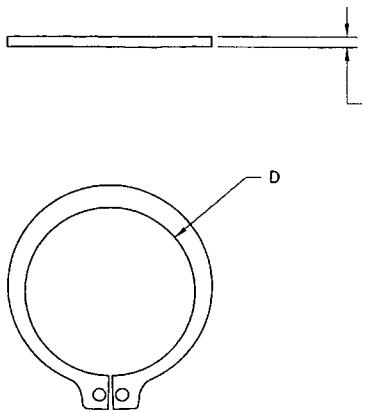
WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other				
Part No. _____											
NCR No. _____											
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
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Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear				General							
Bending	General			Bend	Grain			Ovalized	Pressure/Forced		
Centre Not Concentric to O/S				BOM/Route	Hardware			Over/Under tolerance	Temperature/Cure		
Cracks				Broken/Damaged	Inspection Incomplete			Part Incorrect	Weld		
Crushed/Crimped.				Burrs	Instructions Incomplete/Unclear			Part Lost/Missing	Wrong Stock Pulled		
Cuffs				Contamination	Maintenance			Part Moved			
Heat Treat				Countersink	Mislabeled			Positioned Wrong			
Inspection Strip in Tube				Cut Too Short	Misread			Power Loss/Surge			
Ripples in Bend				Drill Holes	Offset						
Torque Waves in Extrusion				Drawing	Out of Calibration						
Turning Sequence				Finish	Out of Sequence						
Wave/Twist in Tube				Folio	Outside Dimensions						

SPECIFICATION CONTROL DRAWING



95809
PLB-01-21

DART P/N	POSSIBLE SUPPLIER	SUPPLIER PART NUMBER	FREE DIAMETER "D"	THICKNESS "T"	FITS GROOVE WIDTH	COATING
D4057-1	SPAENAUER MAIN INDUSTRIAL	R3100-75 0-5100075	0.693 0.693	0.042 0.042	0.046 0.046	NONE NONE

D4057-X RETAINING RING

NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY CONTAINER WITH DART P/N "D4057-X" AND B/N USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: N/A

A	NEW ISSUE	BY	10.02.05
REV.	DESCRIPTION		DATE
DESIGN	DART AEROSPACE LTD		
DRAWN	HAWKESBURY, ONTARIO, CANADA		
CHECKED			REV. A
MFG. APPR.	D4057		SHEET 1 OF 1
APPROVED			TITLE
DE APPR.			SCALE
DATE	10.02.05		NTS

RELEASED
2010-05-05
MP

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MAIN INDUSTRIAL SALES LTD.

**1475 TESSIER ST.
HAWKESBURY ON K6A 3S6
Phone: (613) 632-3595 Ext. Fax: (613) 632-0262
sales@mainindustrialsales.com**

Packing Slip

DATE January 28, 2013

NUMBER 0000159824

CUSTOMER NO. DART

BILL TO:

DART AEROSPACE LTD.
1270 ABERDEEN ST.
HAWKESBURY ON K6A 1K7

SHIP TO:

DART AEROSPACE LTD.
1270 ABERDEEN ST.
HAWKESBURY ON K6A 1K7

(613) 682-5200 Ext.

(613) 632-5200 Ext.

P.O. NUMBER	SALESPERSON	ORDER DATE	REQ. DATE	ORDER NUMBER
18903	DB	23-Jan-13		0000159824
F.O.B.	SHIP VIA	TERMS		
F.O.B. value	PICK UP	NET 30 DAYS		
PART NUMBER DESCRIPTION	LOCATION	UOM	QUANTITY REQ.	SHIPPED B.O.
0-69002ZKML KML BALL BEARING YOUR PART #: 6900ZZ	6D6	EA	✓ 100	100
0-5100075 5100-075 RETAINING RING YOUR PART #: R3100-75	7D5	EA	✓ 24	24
			SpB-0128	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO18903

Purchase Order Date 1/23/13

PO Print Date 1/23/13

Page Number 1 of 1

Order From : VC-MAI001

MAIN INDUSTRIAL SALES LTD.
1475, TESSIER
HAWKESBURY, ON K6A 3S6
CA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	613 632 3595	Requisition Nbr	
Vendor Fax	613 632 0262	Tax Resale Nbr	10127-2607
Vendor Account Nbr		Terms	Net 30
		Currency	CAD
		FOB	Destination-Collect

Ship To : DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAXED
(1/23/13)

Line Nbr	Reference Revision ID	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
	Vendor Part Number						
1	6900ZZ	Bearing	1/25/13 Yes	✓ 100.00 Each	Yours ppd	\$1.6200	\$162.00

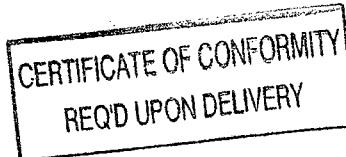
Special Inst: AS PER DWG D3121 REV. E
B95860
SKF P/N: 61900-21Z OR KML P/N: 6900-ZZ

2	R3100-75	Retaining Ring	1/25/13 Yes	✓ 24.00 Each	Yours ppd	\$0.2500	\$6.00
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Special Inst: AS PER DWG D4057 REV. A
B95809
JM

PO Total: \$168.00

SP13-01-28



No substitution or deviation without consent.
Certificate of Conformity or Material Certification required - YES NO

Change Nbr:

2

Change Date: 1/23/13

TRANSMISSION VERIFICATION REPORT

TIME : 01/10/2008 22:32
NAME :
FAX :
TEL :
SER. # : F9N212739

DATE, TIME	01/10 22:32
FAX NO./NAME	6136320262
DURATION	00:00:19
PAGE(S)	01
RESULT	OK
MODE	STANDARD ECM